



Attorney's Docket No.: 12406-003001 / 1996P1650 US N

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ulrike Reeh et al.
Serial No. : 09/221,789
Filed : December 28, 1998
Title : LIGHT-RADIATING SEMICONDUCTOR COMPONENT WITH A LUMINESCENCE
CONVERSION ELEMENT

Art Unit : 2815
Examiner : Jerome Jackson, Jr.

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Please see attached Revocation and New Power of Attorney which was duly executed by Osram GmbH on November 30, 2004. Please note that the above-referenced application is listed on Appendix 1, page 1, first paragraph.

Please apply any additional charges or credits to our Deposit Account No. 06-1050, referencing Attorney Docket No. 12406-003001.

Respectfully submitted,

Date:

12/22/04

Marc M. Wefers* for
David L. Feigenbaum
Reg. No. 30,378

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

*See attached document certifying that Marc M. Wefers has limited recognition to practice before the U.S. Patent and Trademark Office under 37 C.F.R. § 11.9(b).

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CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date of Deposit

12-22-04

Signature

C HERYL A. CARON

Typed or Printed Name of Person Signing Certificate



REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), OSRAM GmbH, a German corporation with headquarters located at Hellabrunner Strasse 1, 81536, Munich, Germany, certifies that it is the assignee of 100% of the right, title and interest in the patent applications listed in Appendix 1. The chain of title from the inventor(s) to OSRAM GmbH for each U.S. patent application listed in Appendix 1 is also set forth in that Appendix 1, referencing documents recorded in the United States Patent and Trademark Office or documents attached hereto as Appendices 2 and 3.

The undersigned has reviewed all the documents in the chain of title of the patent applications identified in Appendix 1, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

ALAN D. SMITH
Registration No. 32,005

DAVID L. FEIGENBAUM
Registration No. 30,378

TIMOTHY A. FRENCH
Registration No. 30,175

JOHN F. HAYDEN
Registration No. 37,640

FRANK R. OCCHIUTI
Registration No. 35,306

CHRIS C. BOWLEY
Registration No. 55,016

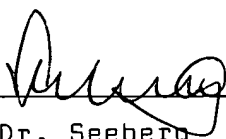
with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

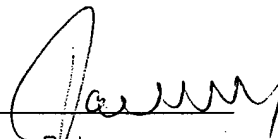
PTO Customer Number: 26161

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Signature: _____



Typed name: Dr. Seeberg



Pokorny

Title: Executive Vice President

Vice President

Date: November 30, 2004

Assignee: OSRAM GmbH

MZW/czc

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

APPENDIX 1 -

LISTING APPLICATIONS FOR REVOCATION AND NEW POWER OF ATTORNEY AND SHOWING CHAIN OF TITLE TO OSRAM GMBH (3 pages)

F&R Reference	OSRAM Reference	First Named Inventor/Applicant	Filed Serial No.
12406-003001	1996P1650 US N	Ulrike Reeh	12/28/1998 09/221,789
i. Assignment from Inventors to Assignee, SIEMENS AKTIENGESELLSCHAFT recorded 12/14/2000 at Reel/Frame 011366/0223			
ii. Assignment from SIEMENS AKTIENGESELLSCHAFT to OSRAM OPTO SEMICONDUCTORS, GMBH & CO. OHG, recorded 12/7/2000 at Reel/Frame 011356/0397			
iii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iv. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-005002	1997P2507 US 04	Klaus Hohn	12/6/2000 09/731,406
i. Assignment from Inventors to Assignee, SIEMENS AKTIENGESELLSCHAFT recorded April 4, 2000, at Reel/Frame 010723/0988			
ii. Assignment from SIEMENS AKTIENGESELLSCHAFT to OSRAM OPTO SEMICONDUCTORS, GMBH & CO. OHG Recorded 12/7/2000 at Reel/Frame 011356/0397			
iii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iv. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-006003	1997P2507 US 07	Klaus Hohn	7/10/2003 10/616,783
i. Assignment from Inventors to Assignee, SIEMENS AKTIENGESELLSCHAFT recorded April 4, 2000, at Reel/Frame 010723/0988			
ii. Assignment from SIEMENS AKTIENGESELLSCHAFT to OSRAM OPTO SEMICONDUCTORS, GMBH & CO. OHG Recorded 12/7/2000 at Reel/Frame 011356/0397			
iii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iv. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-007002	P19972507 US 06	Klaus Hohn	7/21/2003 10/623,819
i. Assignment from Inventors to Assignee, SIEMENS AKTIENGESELLSCHAFT recorded April 4, 2000, at Reel/Frame 010723/0988			
ii. Assignment from SIEMENS AKTIENGESELLSCHAFT to OSRAM OPTO SEMICONDUCTORS, GMBH & CO. OHG Recorded 07/09/2001 at Reel/Frame 011961/0157			
iii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iv. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-011001	1998 P 2530 US N	Bruno Acklin	3/8/2001 09/786,699
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG Recorded 08/22/2001 at Reel/Frame 012094/0770			
iii. Change from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH Recorded 03/22/2004 at Reel/Frame 014446/0347			
iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-017001	1999 P2843 US N	Klaus Hohn	4/20/2001 09/830,038
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG Recorded 07/23/2001 at Reel/Frame 012004/0570			
ii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			

12406-020001 P2001,0799 US N/MH JOERG BLAESSING 1/22/2002
10/055,142

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG
Recorded 05/06/2002 at Reel/Frame 012877/0876
- ii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH
confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)
- iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-021001 P1999,0003USN VOLKER HARLE 8/13/2001
09/913,394

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG
Recorded 02/22/2002 at Reel/Frame 012630/0015
- ii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH
confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)
- iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-022US1 1999P4773USN RALPH WIRTH 3/25/2002
10/089,017

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG
Recorded 07/23/2002 at Reel/Frame 013109/0370
- ii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH
confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)
- iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-024001 P2002,0356 US N BERT BRAUNE 5/5/2003
10/429,916

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 08/07/2003 at Reel/Frame 014353/0952
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-028US1 P2000,0014 US N2 Dominik Eisert 8/12/2002
10/203,728

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 12/09/2002 at Reel/Frame 013561/0399
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-030US1 P2000,0032 US N Georg Bogner 8/22/2002
10/204,576

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 12/02/2002 at Reel/Frame 013543/0571
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-032US1 P2000,0027 US N ALFRED LELL 8/21/2002
10/204,500

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 11/18/2002 at Reel/Frame 013491/0552
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-035US1 P2000,0068 US N1 STEFAN BADER 9/19/2002
10/239,106

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 01/14/2003 at Reel/Frame 013656/0059
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-036US1 P2001,0050 US E-1 Hartmut Frob 8/22/2002
10/204,585

- i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH
Recorded 12/02/2002 at Reel/Frame 013543/0875
- ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH
executed November 22, 2004 (See Appendix 3)

12406-039US1	P2000,0068 US N2	STEFAN BADER	10/22/2002 10/258,340
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 06/12/2003 at Reel/Frame 014159/0245; 08/11/2004 at Reel/Frame 015022/0378; and 06/12/2003 at Reel/Frame 014159-0252			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-040US1	P2000,0062	GEORG Bogner	10/18/2002 10/258,154
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 08/13/2003 at Reel/Frame 014374/0662			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-041US1	P2000,0092 US N	HERBERT BRUNNER	11/25/2002 10/296,405
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 03/04/2003 at Reel/Frame 013802/0885			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-042US1	P2000,0082 US N (RS/FK)	Klaus Hohn	11/8/2002 10/275,786
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 01/21/2003 at Reel/Frame 013673/0600			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-044US1	P2000,0090 US N (RS/BDS)	Johannes Baur	11/22/2002 10/296,195
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 03/04/2003 at Reel/Frame 013799/0727			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-045US1	P2000,0100 US N	BERTHOLD HAHN	11/25/2002 10/296,596
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 02/12/2003 at Reel/Frame 013748/0200			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-047US1	P2000,0158 US N	Johannes Baur	2/3/2003 10/343,851
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH Recorded 09/11/2003 at Reel/Frame 013965/0207			
ii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-064001	1995P2026 US N1	Klinger Hashuber	6/17/2002 10/173,055
i. Assignment of Assignors Interest to Assignee, SIEMENS AKTIENGESELLSCHAFT, recorded 01/28/2004 at Reel/Frame 014287/0960			
ii. Assignment of SIEMENS AKTIENGESELLSCHAFT to OSRAM OPTO SEMICONDUCTORS GMBH recorded 02/04/2004 at Reel/Frame 014307/0271			
iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			
12406-074002	1998P1998 US N1	Gunter Waitl	7/9/2003 10/616,070
i. Assignment from Inventors to Assignee, OSRAM OPTO SEMICONDUCTORS GMBH & CO Recorded 07/09/2003 at Reel/Frame 014269/0811			
ii. Conversion from OSRAM OPTO SEMICONDUCTORS GMBH & CO. OHG to OSRAM OPTO SEMICONDUCTORS GMBH confirmed March 12, 2002 (See Appendix 2, which includes a certified English translation)			
iii. Confirmatory Assignment from OSRAM OPTO SEMICONDUCTORS GMBH to OSRAM GMBH executed November 22, 2004 (See Appendix 3)			

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a) OSRAM Opto Semiconductors b) Gesellschaft mit beschränkter Haftung c) Regensburg d) Entwicklung, Fertigung und Vertrieb von Produkten auf Basis von optoelektronischen Halbleitern.	4.570.000,--EUR	Dr. Ing. Müller Regisgr. geb. 27.7.1945, 82128 Regensburg Wittgen Robert, geb. 25.01.1959, 82152 Kreittling		Gesellschaft mit beschränkter Haftung. Die Gesellschaft ist entstanden durch for- wöchende Umwandlung der OSRAM Opto Semicon- ductors GmbH & Co. OHG in Regensburg gemäß Umwandlungsbescheid vom 28. September 2001. bei dem auch der Gesellschaftsvertrag festge- stellt wurde. Ist nur ein Geschäftsführer bestellt, so ver- tritt er die Gesellschaft allein. Sind mehrere Geschäftsführer bestellt, so wird die Gesell- schaft entweder durch zwei Geschäftsführer oder durch einen Geschäftsführer zusammen mit einem Prokuristen vertreten.	e) 5. März 2002 f) <i>Müller</i> g) Gesellschaftsver- trag Bl. 14-21. AS Regensburg HR B 6738
	5.000.000,--EUR			Die Gesellschaftsversammlung vom 26. September 2001 hat die Erhöhung des Stammkapitals um 450.000,--EUR auf 5.000.000,--EUR beschlossen und die Satzung in § 5 (Stammkapital) entsprechend geändert.	e) 5. März 2002 f) <i>Müller</i> g) Gesellschaftsver- trag Bl. 48-54;
			<u>Handelsregisterauszug</u> Unterschiedene Teile der Eintragung in dem nach- stehenden Lithdruck sind in Verbindung mit den Ver- änderungs- und Löschungs- vermerken gelocht.	Die Überreinschreibung des Auszugs mit dem Eintrag im Register wird besätigt Regensburg, den 1.2. März 02 Geschäftsstelle des Amtsgerichts Regensburg Der Urkundsbeamte: <i>Harli</i> Justizobersekretär	



District Court, Regensburg - Registration Office -	9	8	7	6	5	4	3	2	1	0	9	8	7	6	5	4	3	2	1	0	Page	8522
	HR B																					
a) Company's Name b) Headquarters c) Purpose of the Organization	Legal Conditions																				a) Date of Entry and Signature b) Comments	
2	3																				7	
a) OSRAM Opto Semiconductors Gesellschaft mit beschränkter Haftung [Limited Liability Company] b) Regensburg c) Development, manufacture and sales of products based on opto- electronic semiconductors	4																				6	a) March 5, 2002 b) Partnership agreement on Pages 14 - 21 AG Regensburg HRA 6036
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<p><u>Certificate of Registration</u> The underlined sections of the register in the following photo print have been deleted in conjunction with the change and deletion comments.</p>	<p>The compliance of the excerpt with the contents of the register is confirmed. Regensburg, March 12, 02 Office of the District Court in Regensburg Registrar: Hartl Senior Clerk</p>	<p>District Court Regensburg Bavaria</p>
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TRANSLATOR'S CERTIFICATE

I, Eva Maria King, do hereby certify that I am fluent in the German and English languages. I prepared the translation into English of an excerpt of a register from the Regensburg District Court. It is true and accurate to the best of my ability.

2 February 2004

Eva Maria King / 
Eva Maria King

CONFIRMATORY ASSIGNMENT

The Effective Date of this Assignment is September 30, 2003.

WHEREAS, Osram Opto Semiconductors GmbH, a German corporation with headquarters located at Wernerwerkstrasse 2, 93049 Regensburg, Germany (hereinafter "ASSIGNOR"), was the owner of the entire right, title, and interest in each patent application listed in Appendix A (the "PATENT APPLICATIONS");

WHEREAS, OSRAM GmbH, a German corporation with headquarters located at Hellabrunner Strasse 1, 81536, Munich, Germany, (hereinafter "ASSIGNEE"), was desirous of acquiring the entire right, title and interest in and to the PATENT APPLICATIONS, including any and all Letters Patent of the United States that may be obtained therefor;

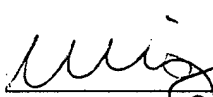
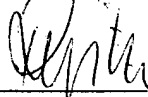
NOW, THEREFORE, be it known that, pursuant to the terms of a contract entered into between ASSIGNOR and ASSIGNEE on September 30, 2003, for good and valuable consideration recited therein and paid by ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does hereby confirm that, as of the Effective date, ASSIGNOR did sell, assign and transfer unto ASSIGNEE, its legal representatives, successors and assigns, its entire right, title and interest in and to the PATENT APPLICATIONS, the same interest to be held by ASSIGNEE, its legal representatives, successors and assigns, to the full end of the term for which Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

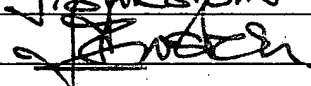
AND, ASSIGNOR hereby confirms its agreement that the change in ownership may be recorded in the official records of the United States Patent and Trademark Office.

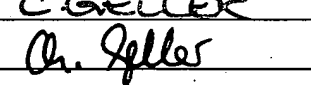
The undersigned is authorized to act on behalf of ASSIGNOR.

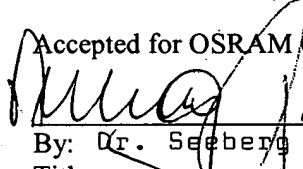
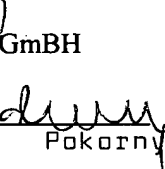
This document contains 2 pages and a 2-page Appendix A.

Osram Opto Semiconductors GmbH

  24.11.04
By: R. WITTEN C. REITZ Date
Title: CFO COO

Witness Name: J. B. WILSON
Witness Signature: 

Witness Name: C. GELLER
Witness Signature: 

Accepted for OSRAM GmbH
  Nov. 27, 2004
By: Dr. Seeborg Pokorny Date
Title:
Executive Vice President Vice President

APPENDIX A -**LISTING APPLICATIONS FOR CONFIRMATORY ASSIGNMENT BETWEEN OSRAM
OPTO SEMICONDUCTORS GMBH AND OSRAM GMBH (2 pages)**

F&R Reference	OSRAM Reference	First Named Inventor/Applicant	Filed Serial No.
12406-003001	1996P1650 US N	Ulrike Reeh	12/28/1998 09/221,789
12406-005002	1997P2507 US 04	Klaus Hohn	12/6/2000 09/731,406
12406-006003	1997P2507 US 07	Klaus Hohn	7/10/2003 10/616,783
12406-007002	P19972507 US 06	Klaus Hohn	7/21/2003 10/623,819
12406-008001	P1999.0014 WO US	Alexandra Debray	2/28/2001 09/786,086
12406-011001	1998 P 2530 US N	Bruno Acklin	3/8/2001 09/786,699
12406-017001	1999 P2843 US N	Klaus Hohn	4/20/2001 09/830,038
12406-020001	P2001,0799 US N/MH	JOERG BLAESSING	1/22/2002 10/055,142
12406-021001	P1999,0003USN	VOLKER HARLE	8/13/2001 09/913,394
12406-022US1	1999P4773USN	RALPH WIRTH	3/25/2002 10/089,017
12406-024001	P2002,0356 US N	BERT BRAUNE	5/5/2003 10/429,916
12406-028US1	P2000,0014 US N2	Dominik Eisert	8/12/2002 10/203,728
12406-030US1	P2000,0032 US N	Georg Bogner	8/22/2002 10/204,576
12406-032US1	P2000,0027 US N	ALFRED LELL	8/21/2002 10/204,500
12406-035US1	P2000,0068 US N1	STEFAN BADER	9/19/2002 10/239,106
12406-036US1	P2001,0050 US E-1	Hartmut Frob	8/22/2002 10/204,585
12406-039US1	P2000,0068 US N2	STEFAN BADER	10/22/2002 10/258,340
12406-040US1	P2000,0062	GEORG Bogner	10/18/2002 10/258,154
12406-041US1	P2000,0092 US N	HERBERT BRUNNER	11/25/2002 10/296,405
12406-042US1	P2000,0082 US N (RS/FK)	Klaus Hohn	11/8/2002 10/275,786

12406-044US1	P2000,0090 US N (RS/BDS)	Johannes Baur	11/22/2002 10/296,195
12406-045US1	P2000,0100 US N	BERTHOLD HAHN	11/25/2002 10/296,596
12406-047US1	P2000,0158 US N	Johannes Baur	2/3/2003 10/343,851
12406-064001	1995P2026 US N1	Klinger Hashuber	6/17/2002 10/173,055
12406-074002	1998P1998 US N1	Gunter Waitl	7/9/2003 10/616,070

Am Amtsgericht Regensburg
Registergericht

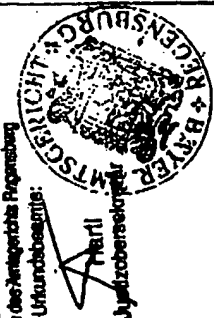
HR B

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Rechtsverhältnisse

a) Tag der Eintragung
b) Unterschriften
c) Bescheinigung

a) Firma b) Sitz c) Gegenstand des Unternehmens	Gründ- oder Stammkapital EUR	Vorstand Präsident, stellv. Geschäftsführer Aufsichtsrat	Prokuristen	Rechtsverhältnisse	a) Tag der Eintragung b) Unterschriften c) Bescheinigung
<p>a) OSRAM Opto Semiconductors Gesellschaft mit beschränkter Haftung</p> <p>b) Regensburg</p> <p>c) Entwicklung, Fertigung und Vertrieb von Produkten auf Basis von optoelektronischen Halbleitern.</p>	4.570.000,-- EUR	<p>Dr. Ing. Müller, Regensburg Geb. 27.7.1945, 82125 Regensburg</p> <p>Wittgen Robert, Geb. 25.01.1959, 82152 Kerschling</p>		<p>Gesellschaft mit beschränkter Haftung.</p> <p>Die Gesellschaft ist entstanden durch form- wechselnde Umwandlung der OSRAM Opto Semicon- ductors GmbH & Co. oHG in Regensburg gemäß Umwandlungsgesetz vom 28. September 2001. Bei dem auch der Gesellschaftsvertrag festge- stellt wurde.</p> <p>Ist nur ein Geschäftsführer bestellt, so ver- tritt er die Gesellschaft allein. Sind mehrere Geschäftsführer bestellt, so vertritt die Gesell- schaft entweder durch zwei Geschäftsführer oder durch einen Geschäftsführer zusammen mit einem Prokuristen vertreten.</p>	<p>e) 5. März 2002</p> <p><i>Wittgen</i></p> <p>b) Gesellschaftsver- trag BL 11-21</p> <p>AG Regensburg HRA 6038</p>
	5.000.000,-- EUR			<p>Die Gesellschaftsversammlung vom 28. September 2001 hat die Erhöhung des Stammkapitals um 420.000,-- EUR auf 5.000.000,-- EUR beschlossen und die Satzung in § 5 (Stammkapital) entsprechend geändert.</p>	<p>e) 5. März 2002</p> <p><i>Wittgen</i></p> <p>b) Gesellschaftsver- trag BL 49-54</p>
			<p><u>Handelsregisterauszug</u></p> <p>Unterzeichnete Teile der Eintragung in dem nach- stehenden Lichtdruck sind in Verbindung mit den Ver- änderungs- und Löschungs- vermerken gebeschl.</p>	<p>Die Übernahmung des Auszugs mit dem Eintrag im Register wird besätigt. Regensburg, den 1. 2. 1997</p> <p>Geschäftsstelle des Amtsgerichts Regensburg</p> <p>Der Urkundsbeamt:</p> <p><i>Heidi</i> Justizsekretär</p> 	

District Court, Regensburg - Registration Office -		Page										8522	
9 8 7 6 5 4 3 2 1 0		HR B											
a) Company's Name b) Headquarters c) Purpose of the Organization		Principal or Capital Stock		Board of Directors Personally liable partner Executive Director Administrator		Proxy		Legal Conditions		a) Date of Entry and Signature b) Comments			
2		3		4		5		6		7			
a) OSRAM Opto Semiconductors Gesellschaft mit beschränkter Haftung (Limited Liability Company) b) Regensburg c) Development, manufacture and sales of products based on opto-electronic semiconductors		4,570,000.00 EURO		Müller, Rüdiger PhD, Engineering DoB 7/27/1945 93128 Regensburg Wittgen, Robert DoB 01/25/1958 82152 Kreiling				<p>Limited Liability Company</p> <p>The company was created by the corporate restructuring of the OSRAM Opto Semiconductors GmbH & Co. oHG in Regensburg according to the restructuring order of September 26, 2001 in which also the articles of association were approved.</p> <p>If only one member of the board of directors is appointed, he alone represents the company. If several members of the board of directors are appointed, the company is represented by two members of the board of directors together or by one member of the board of directors and an authorized officer together.</p>		<p>a) March 5, 2002</p> <p>b) Partnership agreement on Pages 14 - 21</p> <p>AG Regensburg HRA 6036</p>			
		5,000,000.00 EURO						<p>The shareholders meeting on September 26, 2001 has decided to increase the capital stock by 430,000.00 EURO to 5,000,000.00 EURO and has changed the articles of association in section 5 (Capital Stock) accordingly.</p>		<p>a) March 5, 2002</p> <p>b) articles of association Pages 49 - 54;</p>			

			<p>Certificate of Registration The underlined sections of the register in the following photo print have been deleted in conjunction with the change and deletion comments.</p>	<p>The compliance of the excerpt with the contents of the register is confirmed. Regensburg, March 12, 02 Office of the District Court in Regensburg Registrar: Hard Senior Clerk</p> <p>District Court Regensburg Bavaria</p>
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TRANSLATOR'S CERTIFICATE

I, Eva Maria King, do hereby certify that I am fluent in the German and English languages. I prepared the translation into English of an excerpt of a register from the Regensburg District Court. It is true and accurate to the best of my ability.

2 February 2004

Eva Maria King / *ja*
Eva Maria King

12406-003001

SUPPLEMENTAL CONFIRMATORY ASSIGNMENT

The Effective Date of this Assignment is September 30, 2003.

WHEREAS, Osram Opto Semiconductors GmbH, a German corporation with headquarters located at Wernerwerkstrasse 2, 93049 Regensburg, Germany (hereinafter "ASSIGNOR"), was the owner of an interest in each patent application listed in Appendix A (the "PATENT APPLICATIONS");

WHEREAS, OSRAM GmbH, a German corporation with headquarters located at Hellabrunner Strasse 1, 81536, Munich, Germany, (hereinafter "ASSIGNEE"), was desirous of acquiring an interest in and to the PATENT APPLICATIONS, including any and all Letters Patent of the United States that may be obtained therefor;

NOW, THEREFORE, be it known that, pursuant to the terms of a contract entered into between ASSIGNOR and ASSIGNEE on September 30, 2003, for good and valuable consideration recited therein and paid by ASSIGNEE to ASSIGNOR, the receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does hereby confirm that, as of the Effective date, ASSIGNOR did sell, assign and transfer unto ASSIGNEE, its legal representatives, successors and assigns, its entire right, title and interest in and to the PATENT APPLICATIONS, the same interest to be held by ASSIGNEE, its legal representatives, successors and assigns, to the full end of the term for which Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

This confirmatory assignment supplements an earlier confirmatory assignment referencing the same September 30, 2003 contract. The earlier confirmatory assignment only listed a subset of the applications now included in the attached Appendix A. It was executed November 24, 2004 on behalf of ASSIGNOR and November 27, 2004 on behalf of ASSIGNEE.

Furthermore, pursuant to the agreed-upon intent of the September 30, 2003 contract, ASSIGNOR explicitly confirms that this Confirmatory Assignment extends to any continuation, division, renewal, substitute, re-examination, or reissue of the applications listed in Appendix A, and that ASSIGNOR'S entire right, title and interest in any such continuation, division, renewal, substitute, re-examination, or reissue of the applications listed in Appendix A is to be held by ASSIGNEE, its legal representatives, successors and assigns, to the full end of the term for which Letters Patent may be granted or may be reissued or extended, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

AND, ASSIGNOR hereby confirms its agreement that the change in ownership may be recorded in the official records of the United States Patent and Trademark Office.

The undersigned is authorized to act on behalf of ASSIGNOR.

This document contains 2 pages and a 4-page Appendix A.

Osram Opto Semiconductors GmbH

By: [Signature] [Signature]
Title: CFO CFO

2004-12-07
Date

Witness Name: J. BURSTEIN

Witness Signature: [Signature]

Witness Name: C. GELLER

Witness Signature: [Signature]

Accepted for OSRAM GmbH

By: [Signature] [Signature] December 14, 2004
Title: Senior Vice President / Hornung Counsel Date

APPENDIX A -**LISTING APPLICATIONS FOR SUPPLEMENTAL CONFIRMATORY ASSIGNMENT
BETWEEN OSRAM OPTO SEMICONDUCTORS GMBH AND OSRAM GMBH (4
pages)**

F&R Reference	OSRAM Reference	First Named Inventor/Applicant	Filed Serial No.	Issue Patent No.
12406-003001	1996P1650 US N	Ulrike Reeh	12/28/1998 09/221,789	
12406-003002	1996P1650 US N1	Ulrike Reeh	12/6/2000 09/731,220	11/2/2004 6,812,500
12406-003003	1996P1650 US N2	Ulrike Reeh	12/7/2000 09/731,452	6/10/2003 6,576,930
12406-004001	1997P2507 US N	Klaus Hohn	5/20/1998 09/082,205	5/23/2000 6,066,861
12406-005001	1997P2507 US 01	Klaus Hohn	3/28/2000 09/536,564	8/21/2001 6,277,301
12406-005002	1997P2507 US 04	Klaus Hohn	12/6/2000 09/731,406	
12406-006001	1997P2507 US 02	Klaus Hohn	8/29/2000 09/650,932	8/12/2001 6,245,259
12406-006002	1997P2507 US 05	Klaus Hohn	4/25/2001 09/843,080	7/15/2003 6,592,780
12406-006003	1997P2507 US 07	Klaus Hohn	7/10/2003 10/616,783	
12406-007001	1997P2507 US 03	Klaus Hohn	9/1/2000 09/854,368	9/2/2003 6,613,247
12406-007002	P19972507 US 06	Klaus Hohn	7/21/2003 10/623,819	
12406-008001	P1999.0014 WO US	Alexandra Debray	2/28/2001 09/788,086	
12406-010001	P2000.0014 US N	Dominik Eisert	2/12/2001 09/781,753	5/4/2004 6,730,939
12406-011001	1998 P 2530 US N	Bruno Acklin	3/8/2001 09/786,699	
12406-012001	1999P8115 US E/GS	Ewald Karl Michael Guenther	6/18/2001 09/786,833	
12406-013001	1999P2851US E/GS	Ewald Karl Michael Guenther	3/9/2001 09/787,400	
12406-014001	1999P8116 US E	Ewald Karl Michael Guenther	6/13/2001 09/786,832	9/28/2004 6,797,211
12406-015001	1998P2810 US N/GS	Rudolf Helmgartner	5/31/2001 09/857,252	2/10/2004 6,688,933
12406-016001	1998 P8119 US N	Markus-Christian Amann	3/28/2001 09/806,260	12/18/2003 6,664,571

12406-017001	1999 P2843 US N	Klaus Hohn	4/20/2001 09/830,038	
12406-018001	1998 P8100 US N	Martin Rudolf Behringer	3/15/2001 09/787,186	
12406-019001	1999P1146US N/MH	Volker Harle	6/25/2001 09/669,221	3/4/2003 6,527,853
12406-020001	P2001,0799 US N/MH	JOERG BLAESSING	1/22/2002 10/055,142	
12406-021001	P1999,0003USN	VOLKER HARLE	8/13/2001 09/913,394	
12406-022US1	1999P4773USN	RALPH WIRTH	3/25/2002 10/089,017	
12406-023US1	1998P8271USN	Ewald Karl Michael Guenther	6/17/2002 10/168,058	
12406-024001	P2002,0356 US N	BERT BRAUNE	5/5/2003 10/429,916	
12406-025US1	1998P8272US E	Ewald Karl Michael Guenther	11/15/2002 10/168,055	
12406-026US1	1998P8273US E	Ewald Karl Michael Guenther	6/17/2002 10/168,271	
12406-027US1	1998P8274US E	FURONG ZHU	6/17/2002 10/168,249	
12406-028US1	P2000,0014 US N2	Dominik Eisert	8/12/2002 10/203,728	
12406-029US1	2000P3233 US N	JOERG BLAESSING	10/7/2002 10/257,079	
12406-030US1	P2000,0032 US N	Georg Bogner	8/22/2002 10/204,576	
12406-031001	P2002 0654 US N	JOERG-ERICH SORG	8/5/2003 10/835,937	
12406-032US1	P2000,0027 US N	ALFRED LELL	8/21/2002 10/204,500	
12406-033US1	P2001,0197 US N	GUENTHER VOGG	9/25/2002 10/239,963	
12406-034001	P,2001,0591 US N	Dominik Eisert	8/12/2002 10/218,061	7/27/2004 6,768,136
12406-035US1	P2000,0068 US N1	STEFAN BADER	9/19/2002 10/239,106	
12406-036US1	P2001,0050 US E-1	Hartmut Frob	8/22/2002 10/204,585	
12406-038US1	P2000,0104 US N	Georg Bogner	11/27/2002 10/296,848	
12406-039US1	P2000,0069 US N2	STEFAN BADER	10/22/2002 10/258,340	
12406-040US1	P2000,0062	GEORG Bogner	10/18/2002 10/258,154	
12406-041US1	P2000,0092 US N	HERBERT BRUNNER	11/25/2002 10/296,405	

12406-042US1	P2000,0082 US N (RS/FK)	Klaus Hohn	11/8/2002 10/275,786	
12406-043P01	P2002,0903 US E	Andreas Stich	10/22/2002 60/420,138	
12406-044US1	P2000,0090 US N (RS/BDS)	Johannes Baur	11/22/2002 10/296,195	
12406-045US1	P2000,0100 US N	BERTHOLD HAHN	11/25/2002 10/296,596	
12406-046US1	P2001,0890 US N	KARSTEN HEUSER	12/20/2002 10/327,031	
12406-047US1	P2000,0158 US N	Johannes Baur	2/3/2003 10/343,851	
12406-048001	P2002,0473 US E	EWALD GUENTHER	1/15/2002 10/051,867	
12406-049US1	2000P19317 US E	Ewald Karl Michael Guenther	3/6/2003 10/363,931	
12406-050001	P2002,0470 US E	RAMADAS KUMAR	9/28/2001 09/968,189	5/18/2004 6,737,753
12406-052US1	1998P3429 US N	EWALD GUENTHER	12/18/2000 09/737,656	
12406-053US1	2000P16977 US E	Ewald Karl Michael Guenther	3/6/2003 10/363,200	
12406-054001	P2002,0471 US E	LOW HONG YEE	9/28/2001 09/968,164	
12406-055001	P2003,0102 US E	Volker Haerle	9/24/2003 10/670,917	
12406-055P01	P2003,0102 US E	Volker Haerle	2/24/2003 60/450,068	
12406-056US1	P2003,0072 US N	ARVID HUNZE	3/11/2003 10/380,145	
12406-057001	P2001,0724 US E	Ewald Karl Michael Guenther	7/26/2001 09/915,807	12/9/2003 6,660,547
12406-058001	P2002,0609 US E	MARK AUCH	9/28/2001 09/968,167	
12406-059US1	1998P1821 US N	Volker Harle	11/28/2000 09/722,461	
12406-059US2	1998P1821 US2 N	Volker Harle	7/22/2003 10/625,118	
12406-060US1	P2002,0611 US E	MARK AUCH	11/20/2001 09/989,362	
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12406-072001	2000P3148 US N	JORG BLASSING	9/11/2002 10/238,680	
12406-074001	1998P1998 US N	Gunther Waitl	12/29/2000 08/754,043	9/23/2003 6,624,491
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12406-078001	1997P2008 US N	KARLHEINZ ARNDT	1/31/2000 09/494,771	4/23/2002 6,376,902
12406-078002	1998P2008 US N1	KARLHEINZ ARNDT	2/5/2002 10/072,836	10/22/2002 6,469,321
12406-078003	1997P2008 US N2	KARLHEINZ ARNDT	9/27/2002 10/259,556	6/3/2003 6,573,580
12406-078004	1997P2008 US N3	KARLHEINZ ARNDT	4/4/2003 10/407,734	7/6/2004 6,759,733
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